

TDMS No. 93020 - 03
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)
DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.
Final #2/Rats

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

C Number: C93020
Lock Date: 05/16/1995
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

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FISCHER 344 RATS MALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					10	3
Natural Death						7
Survivors						
Terminal Sacrifice	10	10	10	10		
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Centrilobular, Congestion					4 (40%)	6 (60%)
Centrilobular, Vacuolization Cytoplasmic					1 (10%)	6 (60%)
Periportal, Vacuolization Cytoplasmic	1 (10%)					
Pancreas	(10)	(0)	(0)	(10)	(10)	(9)
Acinus, Atrophy, Focal	1 (10%)					
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
Infiltration Cellular, Mixed Cell				1 (10%)		
Cyst				1 (10%)		
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy	4 (40%)	4 (40%)	6 (60%)	4 (40%)	5 (50%)	3 (30%)
Artery, Inflammation, Chronic Active					1 (10%)	
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						

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FISCHER 344 RATS MALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
GENITAL SYSTEM						
Preputial Gland Inflammation, Chronic Active	(10) 2 (20%)	(0)	(0)	(10) 2 (20%)	(10) 1 (10%)	(10) 4 (40%)
HEMATOPOIETIC SYSTEM						
Bone Marrow Hemorrhage	(10)	(0)	(0)	(10)	(10)	(10) 2 (20%)
Lymph Node, Mandibular Hyperplasia, Lymphoid	(10) 1 (10%)	(0)	(0)	(10)	(10)	(10)
Hyperplasia, Plasma Cell Hemorrhage	1 (10%)			1 (10%)		
Lymph Node, Mesenteric Necrosis	(10) 1 (10%)	(0)	(0)	(10)	(10)	(10)
Spleen Lymphoid Follicle, Depletion Cellular	(10)	(10)	(10)	(10)	(10)	(10) 1 (10%)
Thymus Necrosis	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage					2 (20%)	
Atrophy					2 (20%)	3 (30%)
INTEGUMENTARY SYSTEM						
Skin Epidermis, Skin, Site Of Application, Hyperplasia	(10)	(10) 5 (50%)	(10) 7 (70%)	(10) 10 (100%)	(10) 10 (100%)	(10) 3 (30%)
Epidermis, Skin, Site Of Application, Necrosis, Focal						9 (90%)
Skin, Site Of Application, Inflammation, Chronic Active				1 (10%)	7 (70%)	10 (100%)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						

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Brain	(10)	(10)	(10)	(10)	(10)	(10)
Edema, Focal					5 (50%)	1 (10%)
Hemorrhage					1 (10%)	4 (40%)
Congestion						1 (10%)
Arteriole, Necrosis, Fibrinoid						1 (10%)
Neuron, Necrosis					8 (80%)	
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					5 (50%)	8 (80%)
Hemorrhage					1 (10%)	
Alveolus, Infiltration Cellular, Histiocyte	1 (10%)				1 (10%)	
Interstitial, Inflammation, Chronic Active	1 (10%)				1 (10%)	
Perivascular, Infiltration Cellular, Lymphocyte	3 (30%)			6 (60%)	1 (10%)	
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Respiratory Epithelium, Inflammation, Chronic Active	3 (30%)			1 (10%)	1 (10%)	5 (50%)
Respiratory Epithelium, Metaplasia, Squamous						3 (30%)
Squamous Epithelium, Inflammation, Chronic				1 (10%)		
Squamous Epithelium, Inflammation, Chronic Active						1 (10%)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(1)	(0)
Cornea, Bilateral, Degeneration, Focal					1 (100%)	
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Nephropathy	5 (50%)			2 (20%)		

FISCHER 344 RATS MALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
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*** END OF MALE ***

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FISCHER 344 RATS FEMALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					10	10
Survivors						
Accidently Killed	1					
Terminal Sacrifice	9	10	10	10		
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					1 (10%)	
Centrilobular, Congestion						2 (20%)
Mesentery	(0)	(0)	(0)	(1)	(0)	(0)
Fat, Necrosis				1 (100%)		
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Acinus, Cytoplasmic Alteration, Focal	1 (10%)					
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy			1 (10%)	2 (20%)	2 (20%)	
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)
Hypertrophy, Focal	1 (10%)					
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(8)	(0)	(0)	(6)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

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Inflammation, Chronic Active				1 (17%)	2 (20%)	1 (10%)
Ovary	(10)	(0)	(0)	(10)	(10)	(10)
Cyst				1 (10%)		
Uterus	(10)	(1)	(5)	(10)	(10)	(10)
Hydrometra			5 (100%)	4 (40%)		1 (10%)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Hyperplasia, Focal, Lymphoid				1 (10%)		
Hyperplasia, Focal, Histiocytic				2 (20%)		
Hemorrhage					1 (10%)	2 (20%)
Atrophy					1 (10%)	
Lymph Node, Mandibular	(10)	(0)	(0)	(9)	(9)	(10)
Hemorrhage					1 (11%)	
Hyperplasia, Lymphoid					1 (11%)	2 (20%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(10)
Hyperplasia, Histiocytic	1 (10%)			1 (10%)		
Hyperplasia, Lymphoid				1 (10%)		
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					4 (40%)	1 (10%)
INTEGUMENTARY SYSTEM						
Skin	(10)	(10)	(10)	(10)	(10)	(10)
Epidermis, Skin, Site Of Application, Hyperplasia	1 (10%)	2 (20%)	3 (30%)	5 (50%)	10 (100%)	10 (100%)
Epidermis, Skin, Site Of Application, Necrosis, Focal						10 (100%)
Skin, Site Of Application, Inflammation, Chronic Active					7 (70%)	10 (100%)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
Brain	(10)	(10)	(10)	(10)	(10)	(10)

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Edema, Focal					5 (50%)	2 (20%)
Hemorrhage					5 (50%)	6 (60%)
Arteriole, Necrosis, Fibrinoid					1 (10%)	
Neuron, Necrosis					8 (80%)	2 (20%)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					5 (50%)	8 (80%)
Hemorrhage					1 (10%)	
Interstitial, Inflammation, Chronic Active	1 (10%)			3 (30%)		
Perivascular, Infiltration Cellular, Lymphocyte	4 (40%)			5 (50%)	4 (40%)	
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Olfactory Epithelium, Atrophy	1 (10%)					
Olfactory Epithelium, Inflammation, Chronic Active				1 (10%)		
Respiratory Epithelium, Atrophy					1 (10%)	
Respiratory Epithelium, Inflammation, Chronic Active	1 (10%)					2 (20%)
Squamous Epithelium, Inflammation, Chronic Active					1 (10%)	
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					1 (10%)	1 (10%)
Medulla, Mineralization	5 (50%)			6 (60%)	10 (100%)	3 (30%)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)
Serosa, Mineralization				1 (10%)		

*** END OF REPORT ***